

BACHELOR OF SCIENCE (TEXTILE AND FASHION DESIGNING)

REGULATIONS

ELIGIBILITY

Candidates seeking admission to the first year degree of bachelor of science in textile and fashion designing shall be required to have passed in any higher secondary course examination of the state board/ CBSE/ ICSE. Pass in any Textile, Apparel, Costume, Garment Technology, Manmade Fibres, Textile Production, Textile Marketing, Merchandising and Fashion related Diploma course is eligible to admit in direct second year of this UG course

DURATION OF THE COURSE:

The course shall extend over a period of three years comprising of six semesters with two semesters in one academic year. There shall not be less than 90 working days for each semester. Examination shall be conducted at the end of every semester for the respective subjects.

OBJECTIVES OF THE COURSE

The Curriculum is designed to attain the following learning goals which students shall accomplish by the time of their graduation:

- To equip the students to pursue a wide range of Career prospects as Designers in Apparel manufacturing, Textile Processing and Finishing, Merchandising, Quality assurance, Marketing and Retailing.
- The Course also tunes Students Entrepreneurial skills to set up their own manufacturing units and Export start - ups.

B.Sc., Textile and Fashion Designing (Students admitted from 2015-2016 onwards)

SCHEME OF EXAMINATION

Subject Code	Subject	Hrs of Instruction	Exam Duration (Hrs)	Maximum Marks			Credit Points
				CA	CE	Total	
First Semester							
Part I							
15UTALB101/ 15UHILB101/ 15UMMLB101/ 15UFRLB101/	Tamil I / Hindi I/ Malayalam I/ French I/	5	3	25	75	100	3
Part II							
15UENLB101	General English I	5	3	25	75	100	3
Part III							
15UTFM101	Core I : Textile Science	5	3	25	75	100	4
15UTFM102	Core II : Fashion Designing	4	3	25	75	100	3
15UCCTFA101	Allied I : Basics of Accounting	4	3	25	75	100	4
15UTFMP101	Core Practical I : Textile Science	2	3	40	60	100	2
15UTFMP102	Core Practical II : Fashion Designing	3	3	40	60	100	2
Part IV							
15UVE101	Value Education I: Yoga	2	3	25	75	100	2
Total		30				800	23
Second Semester							
Part I							
15UTALB201/ 15UHILB201/ 15UMMLB201/ 15UFRLB201	Tamil II/ Hindi II/ Malayalam II/ French II/	5	3	25	75	100	3
Part II							
15UENLB201	General English II	5	3	25	75	100	3
Part III							
15UTFM201	Core III : Woven Fabric Manufacturing	6	3	25	75	100	5
15UTFM202	Core IV : Dynamics of Fashion	4	3	25	75	100	3
15UCSTFA201	Allied II : Office and DTP packages	3	3	25	75	100	3
15UTFMP201	Core Practical III : Fabric structure analysis	3	3	40	60	100	2
15UCSTFAP201	Allied Practical I : Office and DTP Packages for Designers	2	3	40	60	100	2
Part IV							
15UVE201	Value Education II: Environmental Studies	2	3	25	75	100	2
Total		30				800	23

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Third Semester							
Part III							
15UTFM301	Core V: Knitting and Non Woven	6	3	25	75	100	5
15UTFM302	Core VI: Apparel production Machinery	6	3	25	75	100	5
15UTFM303	Core VII: Pattern Making	5	3	25	75	100	4
15UBATFA301	Allied III: Entrepreneurial Development	4	3	25	75	100	4
15UTFMP301	Core Practical IV: Basic Garment Designing	3	3	40	60	100	2
Part IV							
15UTFSBCP301	SBC I : Draping for Fashion Designers	3	3	40	60	100	2
	NMEC I	2	3	25	75	100	2
Non- Credit							
15ULS301	Career Competency Skills I	1	-	-	-	-	-
Total		30				700	24
Diploma *							
Fourth Semester							
Part III							
15UTFM401	Core VIII : Textile Processing	6	3	25	75	100	5
15UTFM402	Core IX : Fashion and Clothing Psychology	6	3	25	75	100	5
15UCOTFA401	Allied IV : Apparel Costing and Documentation	6	3	25	75	100	4
15UTFMP401	Core Practical V : Textile Processing	3	3	40	60	100	2
15UTFMP402	Core Practical VI: Children's Apparel	3	3	40	60	100	2
Part IV							
15UTFSBCP401	SBC II : Fashion Illustration	3	3	40	60	100	2
	NMEC II	2	3	25	75	100	2
Non Credit							
15ULS401	Career Competency Skills II	1	-	-	-	-	-
Total		30				700	22
Diploma *							

Fifth Semester							
Part III							
15UTFM501	Core X: Textile Testing and Quality Assurance	6	3	25	75	100	5
15UTFM502	Core XI: Fashion Marketing and Retailing	6	3	25	75	100	5
15UTFM503	Core XII: Home Textiles : (Self Study) - 100% External Evaluation	-	3	-	100	100	4
	Elective I	6	3	25	75	100	4
15UTFMP501	Core practical VII: Textile Testing	3	3	40	60	100	2
15UTFMP502	Core Practical VIII : Women's Apparel	3	3	40	60	100	2
15UTFPR601	Project	1	-	-	-	-	-
Part IV							
15UTFSBCP501	SBC III : Surface Ornamentation and Accessories Making	3	3	40	60	100	2
Part V							
15UTFE501	Extension Activity	-	-	-	-		2
Non Credit							
	* Certificate Course	2	-	-	-	-	-
Total		30				700	26
Sixth Semester							
Part III							
15UTFM601	Core XIII: Textile Finishes	6	3	25	75	100	5
15UTFM602	Core XIV: Traditional Indian Costume and Textiles (100 % Internal Evaluation)	6	3	100	-	100	5
	Elective: II	6	3	25	75	100	4
15UTFMP601	Core Practical IX : Computer Aided Textile and Apparel Designing	3	3	40	60	100	2
15UTFMP602	Core Practical X: Men's Apparel	3	3	40	60	100	2
15UTFPR601	Project	1	-	40	60	100	5
Part IV							
15UTFSBCP601	SBC IV : Port Folio Presentation	3	3	40	60	100	2
Non - Credit							
	*Certificate Course	2	-	-	-	-	-
Total		30				700	25

* Students have to complete their diploma course during their Second year (III & IV Semester)

* Students have to complete their Certificate course during their Third year (V & VI Semester)

B.Sc., Textile and Fashion Designing (Students admitted from 2015-2016 onwards)

ELECTIVE I

Students shall select any one of the following subjects as Elective in Fifth Semester.

S. No	Subject Code	Subject
1	15UTFEL501	Clothing Care
2	15UTFEL502	Fashion Photography

ELECTIVE II

Students shall select any one of the following subjects as Elective in Sixth Semester.

S. No	Subject Code	Subject
1	15UTFEL601	Foreign Trade Procedures and Documentation
2	15UTFEL602	Fashion forecasting and Product Development
3	15UTFEL603	Fashion Promotion and Visual Merchandising

NON MAJOR ELECTIVE COURSE (NMEC)

The department offers the following 2 Subjects as NMEC for other than the Textile and Fashion Designing students in III and IV semesters.

S.No	Course Code	Semester	Name of the Course
1	15UTFN301	III	Fashion Art and Design Concept
2	15UTFN401	IV	Fundamentals of Textiles and Apparel

DIPLOMA COURSE

Students shall undergo Diploma Course during their Third Semester and complete the course at the end of the Fourth Semester.

Third and Fourth Semester			
S. No	Course Code	Course Name	Duration of Hours
1	15UTFD401	Arts and Crafts	90 Hours (45 hours in each semester)

CERTIFICATE COURSE

Students shall undergo Certificate Course during their Fifth Semester and complete the course at the end of the Sixth Semester.

Fifth and Sixth Semester			
S. No	Course Code	Course Name	Duration of Hours
1		Communicative Hindi	40 Hours (20 hours in each semester)

FOR COURSE COMPLETION

Students shall complete

- Language subjects (Tamil/ Hindi/ Malayalam/ French and English) in I and II Semesters.
- Value Education: Yoga and Environmental Studies in I and II semester respectively.
- Allied subjects in I, II, III and IV Semesters.
- One Diploma course in the Second year of their course of study.
- Non Major Elective Course during the III and IV Semesters.
- Internal evaluation and self study Subject as external evaluation from core subjects in V and VI Semesters.
- Four Skill Based Course in III, IV, V and VI semesters.
- Extension activity in V semester.
- Elective Subjects in the V and VI semesters.
- Group Project work in Fifth semester and they have to complete their Project work at the end of the Sixth semester.
- One Certificate Course in the Third year of their course of study

TOTAL CREDIT DISTRIBUTION

Components	Total Marks	Credits
Part I: Tamil	2X100 =200	06
Part II: English	2X100 = 200	06
Part III: Core Theory	14 X 100 = 1400	63
Part III: Core Practical	10 X100 = 1000	20
Part III: Elective	2X 100 = 200	08
Part III: Allied Theory	4X 100 = 400	15
Part III: Allied Practical	1X100 = 100	02
Part III: Project	1X100 = 100	05
Part IV: Value Education: Yoga and Environmental Science	1X 100 =100 1X 100 =100	02 02
Part IV: SBC	4X 100 = 400	08
Part IV: Non Major Elective Course	2X100 = 200	04
Part V: Extension Activity	-	02
Total	4400	143

15UTFM101	CORE I: TEXTILE SCIENCE	SEMESTER - I
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Total Hours: 50

OBJECTIVES:

1. To Study the Basics of Textile Fiber and its properties
2. To Study the Yarn Manufacturing process.

CONTENTS

UNIT - I (10 Hours)

Introduction to Textile Fibers - Classification of fibers based on Sources and Origin.
Primary and Secondary Properties of various fibers.
Study of properties related to - Aesthetic, Durability, Comfort, Appearance - Retention performances of the fabric.

UNIT - II (10Hours)

Introduction, Manufacturing, Properties and Uses of Natural fibers - Cotton, Wool, Silk, Jute.

UNIT - III (10 Hours)

Introduction, Manufacturing, Properties and Uses of Manmade Fibers - Viscose rayon, Nylon 6, Acrylic, Polyester.

UNIT - IV (10 Hours)

Yarn - Definition, Classification of yarn - Simple and Fancy yarn, Sewing threads.
Spun Yarn Production -Mechanical/ Conventional Spinning- Cotton spinning-
Sequence of operations of spun yarn manufacturing flowchart - Definition and Objectives of Ginning, Blow room, Carding, Combing, Drawing, Roving and Spinning.

UNIT - V (10 Hours)

Study of Non conventional spinning - Rotor spinning, Friction spinning, Electrostatic spinning, Air jet spinning.
Filament Yarn Production - Wet spinning, Dry spinning and Melt spinning.

TEXT BOOK:

1. *Sara Kadolph, J.* 2009. **Textiles**. [Tenth Edition]. Dorling Kindersley India Pvt. Ltd., Delhi.

REFERENCE BOOKS:

1. *Corbman.* 2000. **Textiles: Fiber to Fabric**. International students Edition Mc Graw, Hill Bookco- Singapore.
2. *Seema Sekhri.* 2011. **Textbook of Fabric Science**. PHI learning Private Limited, New Delhi.
3. *Kanwar Varinder Pal Sing.* 2004. **Introduction to Textiles**. Kalyani publishers, NewDelhi.

15UTFM102	CORE II : FASHION DESIGNING	SEMESTER - I
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Total Hours: 40

OBJECTIVES:

To enable students to:

1. Understand the fundamental design concepts, Terminologies, Elements and Principles of Design.
2. Understand the designing various figure types and learn to design for the same.

CONTENTS

UNIT - I (06 Hours)

Terms related to the Fashion industry - Boutique, Classic, Collection, Custom made, Fad, Fashion, Fashion forecasting, Fashion trends, Haute Couture, Prêt-a- porter, Style, High fashion, Fashion cycle, Fashion director, Fashion editor, Knock-off, Avant garde, Apparel, Mannequin.

UNIT - II (10 Hours)

Design- Definition and types - Structural and Decorative design, Requirements of a good Structural and Decorative design.
Elements of Design - Line, Shape or Form, Color, Size and Texture.

UNIT - III (10 Hours)

Principles of Design - Balance, Rhythm, Emphasis, Harmony and Proportion.

UNIT - IV (08 Hours)

Color - Definition, Color theory - Prang color system. Dimensions of Color - Hue, Value and Intensity. Standard color harmonies.

UNIT - V (06 Hours)

Ward Robe planning - Factors influencing ward robe planning, Ward robe planning for different age groups - Infant, Creeper, Toddler, School going, Adult and Elderly.

TEXT BOOK:

1. *Sumathi, G.J.* 2002. **Elements of Fashion and Apparel Design.** New age International (P) Ltd., publishers, New Delhi.

REFERENCE BOOKS:

1. *Elaine stone.* 2001. **The Dynamics of Fashion.** Fair child publications, New York.
2. *Gini Stephan Friengs.* 1999. **Fashion from concept to consumer.** [Sixth Edition]. Prentice Hall.
3. *Harriet Mc jimsey.* 1973. **Art and Fashion in Clothing Selection.** [Second Edition]. Iowa State University Press, Ames.

15UCCTFA101	ALLIED I: BASICS OF ACCOUNTING	SEMESTER - I
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Total Hours: 45

Note: Distribution: *Theory – 30% and Problem – 70%*

OBJECTIVES:

1. To understand the accounting aspects of finance in business
2. To lay a foundation to understand accounting software without any difficulty

CONTENTS

UNIT - I (9 Hours)

Accounting: Meaning and Basic Concepts – Terms used in Accounting Terminology – Book keeping & Accounting – Groups Interested in Accounting Information – Advantages and Limitations of Accounting – Double Accounting System – Accounting Equation.

UNIT - II (9 Hours)

Journal: Meaning and Significance- Preparation of Journal Entries - **Subsidiary Books:** Meaning - Benefits - Preparation of Sales Book, Purchase Book, Purchase Returns Book and Sales Returns Book.

UNIT - III (9 Hours)

Cash Book: Meaning and Definition – Simple, Two and Three column cash books
Ledger: meaning - difference between Journal and Ledger **Trial Balance:** meaning and definition – objectives – Preparation of Trial Balance

UNIT - IV (9 Hours)

Final Accounts: Preparation of Trading Account, Manufacturing Trading Account, Profit and Loss Account and a Balance Sheet with Adjustments – Differences between a Trial Balance and Balance Sheet (Simple Problems Only)

UNIT - V (9 Hours)

Depreciation: Meaning and Definition – Causes of Depreciation - Methods of Depreciation – Problems on Straight line and Written Down Value methods - Calculation of Profit / Loss on Sale of Assets (Simple Problems Only)

TEXT BOOK:

1. Reddy, T.S and Murthy, A. 2012. **Financial Accounting**. [Seventh Revised Edition], Margham Publications, Chennai.

REFERENCE BOOKS:

1. *Jain, S.P and Narang, K.* 2005. **Financial Accounting.** [Fifth Edition]. Kalyani Publishers, Ludhiana.
2. *Shukla, M.C. and Grewal, T.S.* 2007. **Advanced Accountancy.** [Fifth Edition]. S.Chand & Co. New Delhi.
3. *Gupta, R.L and Gupta, V.K.* 2007. **Financial Accounting.** [Fourth Edition]. Sultan Chand & Sons, New Delhi.

15UTFMP101	CORE PRACTICAL I : TEXTILE SCIENCE	SEMESTER - I
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OBJECTIVE:

1. To study about the structures of the different fibers

LIST OF PRACTICAL:

1. Study of Longitudinal view of Natural fibers
A) Cotton B) Silk C) Wool
2. Study of Longitudinal views of Manmade fibers
A) Polyester B) Viscose C) Nylon
3. Study of Flammability characteristics (Burning test) of Natural fibers
A) Cotton B) Silk C) Wool
4. Study of Flammability characteristics (Burning test) of Manmade fibers
A) Polyester B) Viscose C) Nylon
5. Study of Solubility test of Natural fibers
A) Cotton B) Silk C) Wool
6. Study of Solubility test of Manmade fibers
A) Polyester B) Viscose C) Nylon
7. Determination of fiber maturity using Caustic soda swelling.
8. Determination of blend proportion of P/C blends
9. Determination of blend proportion of P/V blends
10. Determination of blend proportion of P/W blends

15UTFMP102	CORE PRACTICAL II: FASHION DESIGNING	SEMESTER - I
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OBJECTIVES:

1. To Develop creative designing sensibilities among students for developing ensembles through thematic presentations and interpretations.
2. To introduce the students as fashion designers.

1. Illustrate garment designs for the Elements of Design

- a. Different types of Lines - vertical, horizontal, diagonal, wavy, zigzag, dotted, spiral.
- b. Colour
- c. Texture
- d. Shape or Form
- e. Size

2. Illustrate garment designs for the Principles of Design

- a. Balance in dress
- b. Harmony in dress
- c. Emphasis in dress
- d. Proportion in dress
- e. Rhythm in dress

3. Prepare the following Charts

- a. Prang colour chart
- b. Value Chart
- c. Intensity Chart

4. Illustrate the colour harmony in dress design

- a. Monochromatic colour harmony
- b. Analogous colour harmony
- c. Complimentary colour harmony
- d. Double complementary colour harmony
- e. Split complementary colour harmony
- f. Triad colour harmony

5. Design the components for the following

- Different types of sleeves, collars, yoke and pockets

15UVE101	VALUE EDUCATION I: YOGA (மனவளக்கலை யோகா)	SEMESTER - I
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Total Hours: 30

CONTENTS

UNIT - I (6 Hours)

YOGA AND PHYSICAL HEALTH

- 1:1 Physical Structure -Three bodies - Five limitations
- 1:2 Simplified Physical Exercises - Hand Exercises - Leg Exercises - Breathing Exercises - eye Exercises - Kapalapathi
- 1:3 Maharasanas 1-2 - massages - acu-puncture - Relaxation
- 1:4 Yogasanas - Suriya Namaskar - Padamasana -Vajrasanas - Chakrasanas (Side) - Viruchasanas - Yoga muthra -Patchimothasanas -Ustrasanas - Vakkarasanas Salabasanas.

UNIT - II (6 Hours)

ART OF NURTURING THE LIFE FORCE AND MIND

- 2:1 Maintaining the youthfulness - postponing the ageing process
- 2:2 Sex and spirituality - significance of sexual vital fluid - Married Life -Chastity.
- 2:3 Ten Stages of Mind
- 2:4 Mental Frequency - Methods for Concentration

UNIT - III (6 Hours)

SUBLIMATION

- 3:1 Purpose and Philosophy of life
- 3:2 Introspection - Analysis of Thought
- 3:3 Moralization of Desires
- 3:4 Neutralization of Anger

UNIT - IV (6 Hours)

HUMAN RESOURCES DEVELOPMENT

- 4:1 Eradication of worries
- 4:2 Benefits of Blessings
- 4:3 Greatness of Friendship
- 4:4 Individual Peace and World Peace

UNIT - V

(6 Hours)

LAW OF NATURE

5:1 Unified Force – Cause and Effect System

5:2 Purity of thought and Deed and Genetic Centre

5:3 Love and Compassion

5:4 Cultural Education – Five fold Culture

TEXT BOOK:

1. Manavalakalai Yoga – World Community Service Center
Vethathiri Pathippagam,
156, Gandhij Road, Erode – 638 001.
PH: 0424 – 2263845.

REFERENCE BOOKS:

1. Yoga for Modern Age
2. Journey of Consciousness
2. Simplified Physical Exercises – World Community Service Center
Vethathiri Pathippagam,
156, Gandhij Road, Erode – 638 001.
PH: 0424 – 2263845.

15UTFM201	CORE III : WOVEN FABRIC MANUFACTURING	SEMESTER - II
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Total Hours: 55

OBJECTIVE:

1. To Give the Basic Knowledge in the field of Weaving.

CONTENTS

UNIT - I (10 Hours)

Sequential Process of Weaving Preparation - Warp winding, Warping, Sizing, Ingredients of Size paste - Pirn winding.

UNIT - II (12 Hours)

Loom - Definition- Classification - Important parts of loom - Primary mechanism of loom - Shedding, Picking, Beating up - Introduction in secondary mechanism of loom - Let Off, Take up - Introduction in auxiliary mechanism of loom- Warp stop motion, Weft stop motion, Temple, Break.

UNIT - III (12 Hours)

Warp Designing Elements - Dobby - Type - Working Principle of Single and Double lift Dobby -Jacquard- type- Working principle of Single and Double lift Jacquard- Introduction about Shuttles Weaving -Air jet , Water jet , Rapier, Projectile.

UNIT - IV (10 Hours)

Elements of Woven Design - Design, Draft, Peg plan, Denting plan. Plain weave and its derivatives, Twill weave and its modification. Satin, Sateen and Creape weave.

UNIT - V (11 Hours)

Mock Leno, Huck -A- Back, Extra warp, Extra weft, Backed fabric, Pile weave, Double cloth.

TEXT BOOK:

1. *Seema Sekhri*. 2011. **Textbook of Fabric Science**. PHI learning Private Limited, New Delhi.

REFERENCE BOOKS:

1. *Kanwar Varinderpalsin*. 2004. **Fabric Studies**. Kalyani Publishers, New Delhi.
2. *Corbman*. 2000. **Textiles: Fiber to Fabric**. International students Edition Mc Graw, Hill Book co- Singapore.
3. *Grosicki*. 2004. **Watson's Textile design and color**. Wood Head Pub. Ltd.

15UTFM202	CORE IV : DYNAMICS OF FASHION	SEMESTER - II
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Total Hours: 40

OBJECTIVES:

To Enable Students to:

1. Understand the Trends in Clothing behavior
2. To know the various international Fashion centers and Fashion Brands.

CONTENTS

UNIT - I (08 Hours)

Origin of Fashion – Importance of fashion - Development of fashion, Components of fashion -, Design Details, Texture, Color and Silhouette. Types of silhouette – Natural Body, Slim line, Wedge, Hour Glass, Extreme Volume Silhouette.

UNIT - II (08 Hours)

Levels of fashion industry- Couture, Ready to wear, Mass production. Fashion Focus – The designers Role, The Manufacturers Role, The Retailers Role. Scope of Fashion Business – Primary Level, Secondary Level, Retail level and the Auxiliary level.

UNIT - III (08 Hours)

The Movement of Fashion - Factors influencing fashion movement -Accelerating factors, Retarding factors, and Recurring fashions. Predicting the movement of fashion.

UNIT - IV (08 Hours)

Types of designers – High fashion Designer, Stylist, and Freelance Designer. Sources of design inspiration.

Indian Fashion Designers- Manish Malhotra, Ritu kumar, Ritu berri, Tarun Tahilani, Wendell Rodricks, Abu Jani and Sandeep Khosla, JJ Valaya, Rina Dhaka, Manish Arora, and Rohit Bal.

UNIT - V (08 Hours)

Study of International Fashion centers – France, Italy, England, Germany, Canada, New York.

Study of Fashion Brands –National Brand - International Brand - Designer Brand – Luxury fashion brand.

TEXT BOOK:

1. *Elaine stone*. 2001. **The Dynamics of Fashion**. Fair child publications, New York.

REFERENCE BOOKS:

1. *Ellen Diamond*. 2007. **Fashion Retailing**. Pearson Education. INC and Dorling Kinderley Publishing, Delhi.
2. *Kitty G, Dickerson*. 2005. **inside the fashion Business**. Pearson Education. INC and Dorling Kinderley Publishing, Delhi.
3. *Gini Stephan Friengs* . 1999. **Fashion from concept to consumer**. [Sixth Edition]. Prentice Hall.

15UCSTFA201	ALLIED II: OFFICE AND DTP PACKAGES	SEMESTER - II
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Total Hours: 50

OBJECTIVE:

On completion of the course the students shall have knowledge on:

1. Making applications on Textile and Apparel domain using Office and DTP Packages.

CONTENTS

UNIT - I

(10 Hours)

Introduction to Microsoft Office Word 2007: Working with Documents in Microsoft Word 2007-Saving the File- Formatting the Text- Alignment of Text- Applying Fonts- Spell Checking- Consulting Thesaurus- Assign a Character Style- Borders and Shading-Closing of the File-Save as Option- Printing your Document- Editing the Document- Editing Tools- Auto Correct- AutoFormat- Find and Replace- Find- Replace Text- Page Numbering- Header and Footer- Foot Notes and End Notes- Splitting Panes- Tiling of the Document- Using Mail Merge in Word 2007- Opening Screen of Microsoft Word Screen.

UNIT - II

(10 Hours)

Introduction to Microsoft Office Excel 2007: Understanding Spreadsheets-Creating a Worksheet in Excel 2007-Copying Formula-Formulas that Make Decisions-Styles-Functions in Excel-Using Auto calculate-References-Sum Function-Average Function- Creating Charts in Excel-Auditing a Workbook-Comments Inserting-Outlines-Worksheet Fitting on a Page-Function Wizard-Goal Seeking-Scenarios Manager-Creating a Pivot Table Report-Typing with AutoFill-Formatting Numbers and Labels-Changing the Size of Rows and Columns-Adding and Deleting Rows and Columns-Inserting (and Removing) Page Breaks-Applying Themes-Add or Remove a Sheet Background-Convert Text to Columns-Protect Worksheet or Workbook Elements-Functions in Excel.

UNIT - III

(10 Hours)

PageMaker 6.5 / 7: Getting Started with PageMaker 6.5 / 7 - Editing Text - Formatting Text - Working with Graphics and Objects.

UNIT - IV

(10 Hours)

CorelDRAW 9/10: CorelDRAW Basics - Drawing and Selecting - Working with Images - Page Layout and Background.

UNIT - V

(10 Hours)

Photoshop 6 / 7: Getting Started with Photoshop - Working with Images and Colors - Making Selections - Painting and Editing Tools - Layers.

TEXTBOOKS:

1. *Law Point*. 2008. **Microsoft Office 2007**. [First Edition]. Ashok Lodha Publication, Kolkata. (UNIT I and II)
2. Vikas Gupta. 2002. **Comdex DTP Course Kit**. [First Edition]. DreamTech Press, NewDelhi. (UNIT III ,IV and V)

REFERENCE BOOKS:

1. *Sanjay Saxena*. 2007. **MS-Office 2000 for Everyone**. [Second Reprint]. Vikas Publishing House Pvt Ltd., New Delhi.
2. *Martin Matthews, S. and Carole Boggs Mathews*. 1997. **The Official Guide to CorelDRAW! 6 for Windows 95**. [First Edition]. Tata McGraw-Hill Publishing Company Limited, New Delhi.
3. *Eileen Mullin*. 1996. **The Essential Photoshop Book™** . [First Edition]. Prima Publishing, USA.

15UTFMP201	CORE PRACTICAL III : FABRIC STRUCTURE ANALYSIS	SEMESTER - II
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OBJECTIVE:

To Gain knowledge about various Woven and Knitted fabric structures.

Analysis the Design, Draft, Peg plan, Ends per inch, Picks per inch, Yarn count, Yarn crimp, Cover factor, Grams per square Meter for the following fabrics.

1. Plain weave
2. Twill weaves -Even twill and Uneven twill
3. Satin and Sateen
- 4 Extra Warp and Weft
5. Honey comb
6. Huck-a-Back
7. Mock Leno
8. Terry
9. Extra Warp and Weft
10. Double Cloth
11. Dobby
12. Jacquard

15UCSTFAP201	ALLIED PRACTICAL I: OFFICE AND DTP PACKAGES FOR DESIGNERS	SEMESTER - II
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LIST OF PRACTICAL:

MS-Word

1. Designing a Document for Lab Requirements using following options
 - Font styles.
 - Page layout, Page Setup (Setting Margins, Changing Page Size, Changing Page Orientation and Applying Page Background).
 - Table.
2. Creating a Document for topic presentation with following options
 - Single and Double Column.
 - Page numbers.
 - Headers and Footers.
 - Date and time, Pictures and Shapes.

MS-Excel

3. Creating a Chart for an Experiment with sample data.
4. Stock Maintenance for Lab Equipments.

Adobe PageMaker

5. Creating a Catalogue for a Consumer Product.
6. Creating Header and Footer for a Master Page.
7. Preparing Letter Head for a Textile Limited Company with Logo and Slogan.

CorelDraw

8. Drawing a New Apparel Model.
9. Designing a Male and Female Dress and apply Surface Pattern.

Photoshop

10. Designing a Business Card.
11. Editing an Imperfect Image into Perfect Image.
12. Designing a Fabric using Filters.

15UVE 201	VALUE EDUCATION II: ENVIRONMENTAL STUDIES	SEMESTER - II
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Total Hours: 30

CONTENTS

UNIT - I (6 Hours)

Environment - Definition - Scope - Structure and function of ecosystems- producers, consumers and decomposers- Energy flow in the ecosystem - Ecological succession - food chain, food webs and ecological pyramids - Concept of sustainable development.

UNIT - II (6 Hours)

Natural resources: Renewable - air, water, soil, land and wildlife resources. Non - renewable - Mineral coal, oil and gas. Environmental problems related to the extraction and use of natural resources.

UNIT - III (6 Hours)

Biodiversity - Definition - Values - Consumption use, productive social, ethical, aesthetic and option values threats to bio diversity - hotspots of bio diversity - conservation of bio - diversity: in - situ Ex - situ. Bio - wealth - National and Global level .

UNIT - IV (6 Hours)

Environmental Pollution : Definition - causes, effects and mitigation measure s - Air pollution, Water pollution, Soil pollution, Noise pollution, Thermal pollution - Nuclear hazards - Solid wastes acid rain - Climate change and global warming environmental laws and regulations in India - Earth summit.

UNIT - V (6 Hours)

Population and environment - Population explosion - Environment and human health - HIV/AIDS - Women and Child welfare - Resettlement and Rehabilitation of people, Role of information technology in environmental health - Environmental awareness.

TEXTBOOK:

1. Department of Biochemistry. Environmental Studies (Study Material). Published by K.S.Rangasamy College of Arts & Science (Autonomous). Tiruchengode

REFERENCE BOOK:

1. Erach Bharucha. **Textbook of Environmental studies**. Universities press. PVT. Ltd. 2005.

15UTFM301	CORE V : KNITTING AND NON WOVEN	SEMESTER - III
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Total Hours: 50

OBJECTIVE:

1. To Enable the Students to Understand the Manufacturing and Applications of Knitted and Non Woven fabrics.

CONTENTS

UNIT - I (10 Hours)

Knitting- Definition ,Classification, Difference between Weaving and Knitting- Properties of Single jersey, Rib, Interlock - Terminology in Weft Knitting-Weft Knitting elements - Needle, Cam, Sinker Working Principle - Single jersey, Rib, Interlock. End uses of Weft Knitted fabrics.

UNIT - II (10 Hours)

Warp knitting - Definition- Classification -Difference between Warp and Weft Knit- Warp Knitting elements- Needle bar, Sinker bar, Guide bar, Pressure bar, Warp beam, Pattern wheel. Working Principle - Tricot, Raschel, Knitted fabric defects.

UNIT - III (10 Hours)

Flat knit - Introduction - Machine type and classification - Knitting elements -Yarn path in flat knitting - Knit cycle - Flat knit fabric. Purl knit, and Seamless knit - Introduction - Socks geometry socks shaping -Yarn passage- Fabric construction.

UNIT - IV (10 Hours)

Non Woven - Definition - Classification - Fiber used - Web formation - Parallel laid - Cross laid and Random laid.

UNIT - V (10 Hours)

Bonding- Mechanical -Thermal- Chemical/Adhesive. Production of Melt blown and Spun techniques. Finishing of Non Woven fabrics.
Recent applications of Knitted and Non Woven in Technical textiles.

TEXT BOOK:

1. Anbumani, N. 2007. **Knitting fundamentals, machine, structure and developments.** New age publications.

REFERENCE BOOKS:

1. David Spencer. 1982. **Knitting technology.** Pergamen press, Oxford.
2. Ajonker,D B. 1998. **Principles of Knitting.** Universal Publishing Corporation.

15UTFM302	CORE VI : APPAREL PRODUCTION MACHINERY	SEMESTER- III
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Total Hours: 50

OBJECTIVE:

1. To Inculcate the Technical Knowledge in Garment production.

CONTENTS

UNIT - I (10 Hours)

Sewing Machine- Classification of Sewing Machine - Domestic and Industry, Single thread and Multithread. Parts and Functions of Sewing machine. Parts and types of Sewing machine Needle. Study of sewing machine special attachments, Care and Maintenance, Common Problems and their Remedies.

UNIT - II (10 Hours)

Over lock machine - Over lock for woven and knit, Flat lock, Bar tacking, Button hole making, Blind Stitching machine, Fabric examining machine.

UNIT - III (10 Hours)

Spreading - Definition Requirements of Spreading process, Methods of Spreading - Spreading by hand, spreading by using travelling machine. Marking - Definition, Objectives, Requirements of Marker Planning, Efficiency of the Marker Plan, Methods of Marker Planning.

UNIT - IV (10 Hours)

Cutting Technology - Definition, Function, and Scope. Cutting equipment and Tools, , Straight knife cutting machine, Round knife cutting Machine, Band Knife cutting machine, Die cutters, Notches Cutting drills, Computerized cutting machines.

UNIT - V (10 Hours)

Fusing: Definition, Advantage of fusing, Fusible interlining, Requirement of fusing, Fusing process, Means of Fusing, Fusing equipments - Methods of Fusing.
Pressing: Objectives of Pressing, Purpose of Pressing, Pressing equipment and Methods. Pleating, Permanent press, the State of Pressing.

TEXT BOOK:

1. *Premlatha Mullick* .2002. **Garment Construction Skills**. Kalyani Publishers, Kolkata.(Unit I)
2. *Gerry Cooklin*.1999. **Introduction to Clothing Manufacture**. Blackwell Science. (Unit II, III , IV and V)

REFERENCE BOOKS:

1. *Gerry Cooklin*. 2002. **Garment Technology for Fashion Designers**. Blackwell Science.
2. *Raul Jewel*. 2005. **Encyclopedia of Dress Making**. APH Publishing Corporation, New Delhi.

15UTFM303	CORE VII : PATTERN MAKING	SEMESTER - III
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Total Hours: 50

OBJECTIVES:

1. To Enable the Students to prepare Marker Patterns
2. To Make Student to learn Fitting, Pattern Alteration and Grading.

CONTENTS

UNIT - I (10 Hours)

Pattern making –Method of Pattern making. Body measurement –Importance, Preparing for measuring, Taking measurements for Women, Children and Men measurements. Standardizing body measurements –Importance, Techniques used.

UNIT - II (10 Hours)

Drafting and Draping, Merits and Demerits .Types of Paper Patterns (Patterns for personal measurements and commercial patterns) Principles of pattern drafting. Pattern details, Steps in drafting basic bodice Front and Back and Sleeve.

UNIT - III (10 Hours)

Styles created by shifting of Blouse darts , Adding fullness to the bodice, Converting darts to seam and Partial yokes and incorporating darts in to seams forming yokes. Fitting- Standards of a good fit, Steps in preparing a top garment for fitting, Checking the fit of a blouse, Solving fitting problems in a blouse, Fitting techniques.

UNIT - IV (10 Hours)

Pattern Alteration –Importance of altering patterns, General principles for pattern alteration, Common pattern alteration in a blouse. Pattern Grading –Definition, types – Manual and Master and Computer grades, Basic front, Back, Sleeve and Collar.

UNIT - V (10 Hours)

Pattern layout- Definition, Purpose, Rules in layout, Types of Layout for length wise stripped designs, Fabric with bold design, Asymmetric designs, and One way designs. Suggestions for Insufficient cloth, Fabric cutting, transferring pattern marking, STAY stitching and Ease stitching.

Preparation of fabric for cutting –Importance of grain in cutting and Construction, Steps in preparing the fabric for cutting.

TEXT BOOK:

1. *Mary Mathews*. 1991. **Practical clothing construction - Part I & II**. Cosmic Press, Chennai.

REFERENCE BOOKS:

1. *Raul Jewel*. 2005. **Encyclopedia of Dress Making**. APH Publishing Corporation, New Delhi.

B.Sc., Textile and Fashion Designing (Students admitted from 2015-2016 onwards)

2. *Winifred Aldrich*. 2001. **Fabric form and flat pattern cutting**. Om Book Service, New Delhi.
3. *Gerry Cooklin*. 1990. **Pattern Grading for women's Clothing**. The technology of sizing, Black well Science Ltd.

15UBATFA301 / 15UBACCA301	ALLIED : III ENTREPRENEURIAL DEVELOPMENT	SEMESTER - III
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Total Hours: 45

OBJECTIVES:

1. The course aims to prepare a ground where the students view entrepreneurship as an attractive career option.
2. It enables the students to know the process involved in entrepreneurship.

CONTENTS

UNIT - I (9 Hours)

Introduction to Entrepreneurship: Meaning, Functions, Types, Qualities of Entrepreneurs -Women Entrepreneurs - Role of entrepreneur in economic development.

UNIT - II (9 Hours)

Idea Generation - Opportunity Evaluation - Venture Life cycle - Venture capitalist.

UNIT - III (9 Hours)

Business Organizations - Types: Sole Proprietorship, Partnership, Co-operative Society and Joint Stock Company -EDP: Objectives, Phases of EDP.

UNIT - IV (9 Hours)

Environmental Factors influencing entrepreneurship - Business Model - Elements of a Business Plan - Preparation of Business Plan.

UNIT - V (9 Hours)

Institutional Finance to Entrepreneurs - Role of TIIC, SIDBI and Commercial Banks - Incentives and Subsidies to Entrepreneurs - Role of DIC, MSME, SIDCO and NSIC.

TEXT BOOK:

1. *Gupta, C.B. and Srinivasan, N. P.* 2009 **Entrepreneurial Development**. [Third Edition]. Sultan Chand & Sons, New Delhi.

REFERENCE BOOKS:

1. *Khanka, S.S.* 2009. **Entrepreneurial Development**. [Ninth Edition]. S. Chand & Co., Ltd., New Delhi.
2. *Vasanth Desai,* 2007. **Dynamics of Entrepreneurial Development and Management**. [First Edition]. Himalaya Publishing House, New Delhi.
3. *Saravanavel, P.* 1997. **Entrepreneurship Development**. [Second Edition]. Ess Pee Publishing House, Chennai.

15UTFMP301	CORE PRACTICAL IV: BASIC GARMENT DESIGNING	SEMESTER - III
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OBJECTIVE:

To Teach the Students to Construct the basic details of the garments

PREPARATION OF SAMPLES

1. Seam – Plain seam , Top stitch seam, Flat fell seam, Welt seam ,Lapped seam
2. Seam finishes – Pinked, Edged stitched, Double stitch.
3. Hems
4. Fullness
5. Facing and Binding
6. Plackets and Fasteners
7. Plain sleeve, Puff sleeve (any one type), Raglan sleeve
8. Yoke -Partial yoke , Midriff yoke
9. Peter Pan collar , Full shirt collar, Shawl collar
10. Patch Pocket, Bound Pocket.

REFERENCE BOOKS:

1. Mary Mathews. 1991. **Practical clothing construction - Part I & II.** Cosmic Press, Chennai.
2. Zarapkar. 2005. **System of cutting.** Navneeth Publications, Mumbai.

15UTFSBCP301	SBC I: DRAPING FOR FASHION DESIGNERS	SEMESTER - III
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OBJECTIVES:

1. To train the students eye to see proportion and design detail in relation to the human body.
2. To understand the draping aspects of pattern making.
3. To apply the knowledge of draping in developing patterns and designs by draping.

I. Prepare the following samples using the Draping Method

- Basic bodice - Front and Back
- Dart Manipulation
- Pleats, Darts, Tucks and Gathers

II. Neckline variations

- Boat neck
- Cowl
- Halter

III. Armhole variations

- Square
- Round
- V Shape

IV. Skirts

- Flared skirt
- Pleated skirt
- Umbrella skirt

V. Collars

- Shirt Collar
- Stand Collar
- Peter Pan collar
- Tie tying techniques - 5 methods

VI. Sleeves

- Basic sleeve
- Puff sleeve

VII. Design the following garment by draping Techniques

- Create any one of garment for a girl child - street wear
- Create any one of garment for a boy child - casual wear
- Create any one of garment for a teenage girl - party wear
- Create any one of garment for a teenage boy - formal wear

15ULS301	CAREER COMPETENCY SKILLS I	SEMESTER - III
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Total Hours: 15

OBJECTIVE:

To enhance employability skills and to develop career competency

UNIT - I (3 Hours)

Speed Maths: Squaring of Numbers - Multiplication of Numbers - Finding Square Roots - Finding Cube Roots - HCF, LCM - Decimals - - Averages - Powers and Roots.

UNIT - II (3 Hours)

Problems on ages- Ratio and proportion- Chain rule-Percentages- Simple and Compound Interest.

UNIT - III (3 Hours)

Time and Work- Time and Distance- Problems on Trains

UNIT - IV (3 Hours)

Analogies - Sentence Formation - Sentence Completion - Sentence Correction - Idioms & Phrases - Jumbled Sentences-- Reading Comprehension -Deriving conclusions

UNIT - V (3 Hours)

Tenses- Articles and Preposition - Change of Voice - Change of Speech - Synonyms & Antonyms - Phrasal Verbs-One Word Substitution- Odd Man Out - Spelling & Punctuation

15UTFM401	CORE VIII : TEXTILE PROCESSING	SEMESTER - IV
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Total Hours: 50

OBJECTIVE:

To Impart knowledge about Textile Processing methods and the Machineries used.

CONTENTS

UNIT - I

(10 Hours)

Introduction to Textile Processing - Process sequence - Singing- Definition - Objectives Types & Process - Hot Plate , Gas singing - Desizing- Definition - Objectives - Types & Process - Acid, Enzyme, Rot steep. Scouring - Definition, Objectives, Types and Process - Kier boiling _ Vertical and Horizontal Kier boiling.

UNIT - II

(10 Hours)

Bleaching - Definition - Objectives, Types and Process - Hypochlorite bleaching, Hydrogen peroxide bleaching. Scouring and Bleaching of Wool, Silk, Nylon and Polyester. Mercerization - Definition - Objectives, Types and Process - Slack, Chain and Chain less mercerization.

UNIT - III

(10 Hours)

Dyeing - Definition, Objectives, Classification - Natural and Synthetic dyes. Dyeing of cotton with Direct, Reactive, Vat, Sulphur and Azoic dyes. Wool and Silk with Acid and Basic dyes, Polyester with Disperse dyes, Nylon and Acrylic with basic dyes. Color fastness test for Dyed and Printed samples - Washing, Light, Rubbing and Perspiration. Dyeing Defects, Remedies and Causes.

UNIT - IV

(10 Hours)

Machineries used in dyeing: Fiber dyeing m/c - Hank dyeing m/c, HTHP vertical dyeing m/c ,Yarn dyeing m/c - Hank dyeing, , Space dyeing m/c , Piece/Fabric dyeing m/c - Jigger, Winch, Padding mangle, Beam dyeing m/c ,Garment dyeing m/c- Auto clave.

UNIT - V

(10 Hours)

Printing - Objectives - Ingredients in printing paste, Difference between Dyeing and Printing, Styles of printing - Direct, Resist, Discharge. Methods of printing - Screen, Block, Batik, Roller - Rotary - Flat bed, Transfer printing. After treatments - Steaming, Curing and Thermal fixing. Printing Defects, Remedies and Causes.

TEXT BOOK:

1. *Smith, J.L.* 2006. **Textile Processing** .Abishek Publications, Chandigarh.

REFERENCE BOOKS:

1. *Leslie Miles.* 1994. **Textile Printing**. Society of dyers and colorists.

2. *Hemalatha Jain*. 2010. **Techniques of dyeing and Printing**. Ane books Pvt. Ltd., New Delhi.
3. *Shennai*. 1995. **Chemistry of Dyes and Principle of Dyeing**. Sevak publications, Mumbai.
4. *Shennai*. 1991. **Textile Printing**. Sevak Publications, Mumbai.

15UTFM402	CORE IX : FASHION AND CLOTHING PSYCHOLOGY	SEMESTER - IV
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Total Hours: 50

OBJECTIVE:

1. To understand the effect of various social and psychological factors on clothing.

CONTENTS

UNIT - I (10 Hours)

Origin of Clothing - Draped, Semi constructed and constructed .Introduction to clothing behavior -Theories of motivation for wearing clothes- Modesty theory, Protection theory and Adornment theory. Role of costumes.

UNIT - II (10 Hours)

Factors that influence the selection of clothes – Personality, Age, Climate, Occupation, Figure and Occasion.

Motivation in clothing choices - Individual values, Personality, attitudes and lifestyle related to clothing.

UNIT - III (10 Hours)

Clothing and social behavior - Cultural influences on clothing behavior – Aspects of culture, Myths and Rituals.

Self concept and clothing behavior- Self, identity and clothing - Definition of self concept – Components of self-concept, Self-Esteem and clothing, Self-Esteem advertising.

UNIT - IV (10 Hours)

Fashion Cycle - Stages of Fashion cycle, Length of cycle - Breaks in cycle, Long Run fashions, Short Run Fashions, Cycles with in cycle, Recurring Fashions. Fashion adoption- Downward theory, Horizontal flow theory, Upward flow theory. Fashion leaders and Fashion followers

UNIT - V (10 Hours)

The Environment of Fashion - Geographic – Demographics – Psychographics - Characteristics of Geographic, Demographic, Psychographic Environment. Economic environment, sociological environment, psychological environment.

TEXT BOOKS:

1. *Solomon*. 2006. **Consumer behavior in fashion**. Pearson education, Inc.(Unit I ,II and III)
2. *Gini Stephan Friengs* . 1999. **Fashion from concept to consumer**. [Sixth Edition]. Prentice Hall. (Unit IV and V)

REFERENCE BOOKS:

1. *Elaine stone.* 2001. **The Dynamics of Fashion.** Fair Child Publications, New York.
2. *Kitty G, Dickerson.* 2005. **inside the fashion Business.** Pearson Education. INC and Dorling Kinderley Publishing, Delhi.
3. *Horn, Marilyn J.* 1968 . **The Second Skin.** Houghton Mifflin Co., USA.

15UCOTFA401	ALLIED : IV APPAREL COSTING AND DOCUMENTATION	SEMESTER -IV
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Note: Distribution of Marks - Problem 40% and Theory 60%.

Total Hours: 50

OBJECTIVES

1. To impart knowledge on elements of apparel cost and factors affecting cost.
2. To educate on principles of cost estimation and actual cost.

CONTENTS

UNIT - I (10 Hours)

Principles of Costing - Requirements of Good Costing System - Cost Unit - Types of Costs - Fixed Cost - Variable Cost - Semi Variable Cost - Conversion Cost - Replacement Cost - Differential Cost - Imputed Cost - Sunk Cost - Research Cost - Development Cost - Policy Cost - Shutdown Cost

UNIT - II (10 Hours)

Elements of Cost - Direct Material Cost - Direct Expenses - Direct Wages - Indirect Materials - Indirect Expenses - Indirect Labor - Overheads - Production Overhead - Administrative Overhead - Selling and Distribution Overhead. - Prime Cost - Work Cost - Cost of Production - Total Cost.

UNIT - III (10 Hours)

Analysis of Overhead Expenses: Prime Cost - Cutting Cost - Assembly Cost - Administrative Expenses - Selling and Distribution Expenses - Preparation of Cost Sheet (Simple Problems). Depreciation - Reasons for Depreciation - Methods of Calculating Depreciation - Straight line Method - Written down Method (Simple Problems).

UNIT - IV (10 Hours)

Cost Estimation of Yarn, Fabric, Dyeing, Printing & Finishing. Cost Estimation For Cutting, Stitching, Checking, Packing, Forwarding, Shipping, Insurance (Theory only).

UNIT - V (10 Hours)

Export Procedures - Import/Export Documentation- Letter of Credit - Bill of Lading - Export License - Commercial Invoice. Financing of Exports - Letter of Credit - Pre-shipment Finance - Post-shipment Finance - Export Credit Guarantee Corporation. Procedure for Import and Export. Various Factors to be considered In Costing For Domestic Products & International Products.

TEXT BOOKS:

1. Reddy, T.S. and Hari Prasad Reddy, Y. 2009. **Cost Accounting**. [Second Edition] Margham Publications, Chennai (Unit I to II).

B.Sc., Textile and Fashion Designing (Students admitted from 2015-2016 onwards)

2. *Jacob Solinger. Apparel Manufacturing Handbook Analysis, Principles and Practice.* Litton Education Publishing , Inc. (Unit III to IV).
3. *Usha Kiran Rai. 2008. Export-Import and Logistics Management.* [First Edition]. Prentice Hall of India, New Delhi (Unit V).

REFERENCE BOOKS:

1. S.P.Jain and KL. Narang, "Cost Accounting", Kalyani Publishers,New Delhi.Edn.2005
2. R.S.N. Pillai and V. Bagavathi, "Cost Accounting",S. Chand and Company Ltd., New Delhi. Edn.2004.

15UTFMP401	CORE PRACTICAL V : TEXTILE PROCESSING	SEMESTER- IV
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OBJECTIVES:

1. To Gain the Practical Knowledge in the field of Preparatory process for various types of fabrics.
2. To Carry out Dyeing and Printing process for of various types of fabric.

LIST OF PRACTICAL

1. Desizing of cotton - Enzyme method
2. Scouring of cotton - Alkali method
3. Bleaching of cotton - Hydrogen peroxide.
4. Dyeing of cotton - Direct, Reactive, Natural dyes.
5. Dyeing of Polyester - Disperse dyes.
6. Dyeing of silk - Acid and Basic dyes.
7. Prepare a sample using Block printing -Vegetable, Nail, Wooden.
8. Prepare a sample for Stencil printing -Single, Multicolor , Positive and Negative
9. Prepare a sample for Screen printing
10. Prepare 5 samples using Tie and Dye techniques.
11. Prepare 3 samples using Batik Printing- Nail, Crushed and Cracked
12. Color fastness to Washing, Sunlight and Crocking

15UTFMP402	CORE PRACTICAL VI: CHILDREN'S APPAREL	SEMESTER - IV
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OBJECTIVE:

To Teach the Students to Design, Draft and Construct the various garments for children.

Procedure:

Designing, Drafting and constructing the following garments for the features prescribed. List the Measurements required and Suitable materials. Calculate the amount of Material required and cost of the garment .Prepare a suitable Layout.

1. Bib - Variation in outline shape.
2. Panty - Plain or Plastic lined panty.
3. Jabla- Without sleeve, Front open (or) Magyar sleeve, back opens
4. Baba Suit - Knickers with chest piece attached (Or) Romper
5. A - Line Petticoat- (or) Petticoat with gathers at waist.
6. Summer frock- With suspenders at shoulder line, without sleeve and collars
(Or)
Angel top with Raglan sleeve, Fullness at neck line.

REFERENCE BOOKS:

1. *Mary Mathews*. 1991. **Practical clothing construction - Part I and II**. Cosmic Press, Chennai.
2. *Zarapkar*. 2005. **System of Cutting**. Navneeth Publications, Mumbai.

15UTFSBCP401	SBC: II FASHION ILLUSTRATION	SEMESTER - IV
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OBJECTIVE:

To give hands on training in the art of Sketching and illustrating human figures.

LIST OF PRACTICAL

1. Illustrating the Fashion figure - 4 ½, 8 ½, 10 ½,
2. Sketching the Facial features- Face, Eyes, Nose, Lips, and Ears.
3. Illustrating different Hand and Leg poses.
4. Illustrating various Hair styles
5. Developing a Fashion figure (2 poses) - Stick, Block, Straight and different poses.
6. Developing Figures for - Children, Men and Women
7. Sketching types of Accessories - Bags, Footwear, Hats etc

REFERENCE BOOKS:

1. *Bina abling*. 1988. **Fashion sketch book**. Fairchild publications, New York.
2. *Kathryn Hagen*. 2005. **Fashion illustration for designers**. Upper Saddle River, New Jersey.

15ULS401	CAREER COMPETENCY SKILLS II	SEMESTER - IV
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Total Hours: 15

OBJECTIVE:

To enhance employability skills and to develop career competency

UNIT - I (3 Hours)

A to Z Placement Terms-Assertiveness and Self Confidence-Career Opportunities-Skill set (Industry Expectations)

UNIT - II (3 Hours)

Principles of Communication (LSRW)-Describing Objects / Situations / People- Information Transfer - Picture Talk - News Paper and Book Review

UNIT - III (3 Hours)

Self Introduction - Situational Dialogues / Role Play (Telephonic Skills) - Oral Presentations- Prepared -'Just A Minute' Sessions (JAM)

UNIT - IV (3 Hours)

Dress code- Body Language- - Manners and Etiquettes -Resume Writing

UNIT - V (3 Hours)-

Presentation Skills - Group Discussion-Interviewing Techniques- Mock Interview

15UTFM501	CORE X : TEXTILE TESTING AND QUALITY ASSURANCE	SEMESTER - V
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Total Hours: 55

OBJECTIVES:

1. To Study the various Mechanical properties of the Fiber, Yarn and Fabric.
2. To study the various parts and function of various testing machines
3. To impart knowledge on different quality aspects to be followed in the garment industry.

CONTENTS

UNIT - I (11 Hours)

Textile Testing Definition- Importance of Textile Testing- Humidity and its influence on fiber properties -Standard Testing Atmosphere - Moisture relations, Wet and Dry bulb hygrometer.

Fiber Testing - Fiber Length - Bear Sorter- Fiber fineness - Shirley Fiber fineness tester- Fiber maturity - Fiber strength tester -Stelo meter, Shirley Trash analyzer.

UNIT - II (11 Hours)

Yarn testing - Determination of yarn count, Yarn numbering system , Yarn twist, Single yarn strength, Lea strength, Yarn evenness test, Yarn crimp , Hairiness.

UNIT - III (11 Hours)

Fabric Testing - EPI, PPI calculation, tensile strength , tearing strength, Fabric bursting strength, GSM Thickness, Shrinkage, Abrasion testing, Crease recovery, Pilling test, Stiffness tester, Drapability, Air and water permeability, .

UNIT - IV (11 Hours)

Definition of Quality Control, Scope and Importance of Quality control. Raw material Inspection - Fabric inspection - 4 point system -10 point system. - In process inspection - Final inspection- No inspection - 100% inspection - Statistical sampling - AQL standards.

UNIT - V (11 Hours)

Fabric defects - Pre sewing defects - Sewing defects - Post sewing defects and causes. Minor and Major defects.

TEXT BOOK:

1. *Grover and Hamby*. 1969. **Hand book of Textile Testing and quality Control**. Wiley Eastern Pvt. Ltd., New Delhi.

REFERENCE BOOKS:

1. *Bhardwaj and Pradip, V. Mehta*. 1998. **Managing Quality in Apparel Industry**. New age publishers, New Delhi.
2. *Jacob Solinger*. 1993. **Apparel Manufacturing Handbook Analysis, Principles and Practice**. Litton Education Publishing , Inc.

3.

15UTFM502	CORE XI : FASHION MARKETING AND RETAILING	SEMESTER - V
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Total Hours: 50

OBJECTIVE:

To introduce the various aspects of Fashion Marketing and Retailing

CONTENTS

UNIT - I

(10 Hours)

Introduction and Definition: Marketing, Fashion marketing - Function of Fashion Marketers. Fashion marketing Environments - Micro marketing and Macro marketing environment, Trends in the marketing environment.

UNIT - II

(10 Hours)

Marketing Function -Product planning and Development, Importance of Fashion products, Nature of fashion products. The fashion industry and New product development, Product mix and Range planning, Fashion and Related cycles.

UNIT - III

(10 Hours)

Fashion consumer behavior - Consumer decision making process, Consumer analysis - Demographics, Social class groupings, Family life cycle, Trends in fashion consumer behavior.

UNIT - IV

(10 Hours)

Importance of fashion retailing - Trends in retailing - Onsite fashion retailing, Off site fashion retailing, Merchandise distribution, Loss prevention, Trends in merchandise distribution and loss prevention.

UNIT - V

(10 Hours)

Retail stores - Types of retail operations - Specialist stores, Departmental stores, Mass merchants, Promotional stores. Non - store Retailing.

Retail organization - small store, large store, stores within a store, multiple unit stores, and chain stores. Department store groups, corporate ownership.

TEXT BOOK:

1. *Mike Easey*. 2005. **Fashion marketing**. Om book service, New Delhi.

REFERENCE BOOKS:

1. *Ellen Diamond*. 2007. **Fashion Retailing**. Pearson Education. INC and Dorling Kinderley Publishing INC.
2. *Kitty, G. Dickerson*. 2005. **Inside the fashion Business**. Pearson Education. INC and Dorling Kinderley Publishing INC.

15UTFM503	CORE XII: HOME TEXTILES	SEMESTER -V
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OBJECTIVE:

1. To Study about the different Textile Material and their Application in Home Furnishing.

CONTENTS

UNIT- I

Introduction to Home textiles, Definition – Classification of home textiles - Woven and Nonwoven.

UNIT - II

Hard floor coverings – types , Features and end use , Resilient floor coverings - types, Features and end use , Soft floor coverings– types , Features and end use . Care and Maintenance of Floor coverings.

UNIT - III

Different types of Doors and Windows: Curtains and Draperies - Choice of fabric. Methods of finishing draperies-Tucks and Pleats.

UNIT- IV

Sofa covers-Wall hangers-Cushion and Cushion covers-Upholsteries-Bolster and Bolster covers, table and kitchen linen.

UNIT - V

Definition, Different types of bed linens - Bed sheets and Bed spreads, Blankets and Blanket covers - Comforters and Comforter covers-Mattress, Mattress covers and Pads-Pillows and Pillow cover- Care and Maintenance of Bed linens.

TEXT BOOK:

1. *Alexander, N.G.* 1972. **Designing Interior Environment.** Mass Court Brace Covanorach, Newyork.

REFERNCE BOOKS:

1. *Durga Dulekar.* 2003. **Household Textiles and Laundry Work.** Atma Ram and Sons, New Delhi.
2. *Kartin Cargil.* **Soft Furnishing,** Reed Consumers Books Ltd.
3. *Donserkery K.G.* 1973. **Interior Decoration in India.** DB Taraporeval Sun & Co, Pvt. Ltd.,

15UTFEL501	ELECTIVE I: CLOTHING CARE	SEMESTER- V
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Total Hours: 50

OBJECTIVES:

1. To Know the properties of water and soaps
2. To Acquire Knowledge on different garment care technique
3. To Analyze the various symbol of care labeling

CONTENTS

UNIT- I (10 Hours)

Water - Hard and Soft water, Methods of Softening water. Laundry soaps - Manufacture of soap (Hot process and Cold process), Composition of soap, Types of soap, Soap less detergents, Chemical action, Detergent manufacture, Advantages of detergents.

UNIT- II (10 Hours)

Finishes - Stiffening agents - Starch (cold water and hot water), other stiffening agents, Preparation of starch. Laundry blues and their application.

UNIT -III (10 Hours)

Laundry Equipment - Storage, Steeping and Washing - Wash board, Suction washer, Wash boiler and Washing machine. Drying equipments - Outdoor and Indoor type's. Irons and Ironing board - Types of iron (Box, Flat, Automatic and Steam iron).

UNIT - IV (10 Hours)

Special types of Laundry - Water proof coats, Silk Ties, Leather Goods, Furs, Plastics, Lace. Dry cleaning - Using absorbents, Using grease solvents. Storing - Points to be noted. Stain removal - Food stains, Lead pencil, Lipstick, Mildew, Nose drops, Paint, Perfume, Perspiration / Mildew, Tar, Turmeric and Kum- Kum.

UNIT- V (10 Hours)

Care labels - Importance of care labels - Systems of care labeling - Universal system - Washing instructions - Bleaching instructions - Drying instructions - Ironing instructions - Dry cleaning instructions. Placement of label on garments.

TEXT BOOKS:

1. *Susheela Dantyagi*. 1996. **Fundamentals of Textiles and their Care**. The Indian Women. Writers Cooperative Publishing Society, New Delhi. (Unit I ,II,III & IV)
2. *Noemia D'souza* . 1998. **Fabric care**. New Age International Pvt. Ltd., (Unit - V)

REFERENCE BOOKS:

1. *Sushma Gupta , Neeru Garg, Renu Saini*. 2005. **Text Book of Clothing, Textiles and Laundry**. Kalyani Publishers, New Delhi.
2. *Durga Duelpkar*. 1988. **Household Textiles and Laundry work**. Atma Ram and Sons, New Delhi.

15UTFEL502	ELECTIVE I: FASHION PHOTOGRAPHY	SEMESTER- V
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Total Hours: 50

OBJECTIVE:

To Acquire Knowledge on Photography, Techniques and Equipment in different fields

CONTENTS

UNIT -I

(08 Hours)

Introduction To Photography-Definition – Types of photography - Photography Techniques and Equipment for different fields - Modeling- Newspaper - Magazines - Occasions - Fashion Shows.

UNIT- II

(10 Hours)

Photography Equipments - Introduction to the equipment used in fashion photography. Camera Definition- Part of Camera. Classification and types of camera- Applications - Advantages and Disadvantages.

UNIT- III

(12 Hours)

Indoor And Outdoor Photography - Photography - principle, indoor photography - needs and methods - lighting techniques methods and equipments.
Outdoor photography - needs and methods - lighting techniques methods and equipments.
Outdoor fashion shoot - shooting with natural light. Methods used to modify lighting on location. Comparison of Outdoor Photography by with Indoor photography.

UNIT -IV

(10 Hours)

Lighting and Photography- Lighting ratio and the effects of soft and hard light. Lighting methods: high key, glamour shots, mood shots. Styling and makeup for fashion and glamour photography.

UNIT- V

(10 Hours)

Trends In Photography - Photography using digital cameras video photography, image mixing, application of computers in photography, printing Techniques.

TEXT BOOK:

1. *Bruce Smith*. 2008. **Fashion Photography: A Complete Guide to the Tools and Techniques of the Trade**. Amphoto Books, Watson Guptill Publication, New York,.

REFERENCES BOOKS:

1. *Stephen A Dantzig*. 2005. **Lighting Techniques for Fashion and Glamour Photography**. Amherst Media, Inc, New York.
2. *Billy Pegram*. 1999. **Fashion Model Photography: Professional Techniques and Images** . Amherst Media, Inc, New York.
3. *Billy Pegram* .2008.**Posing Techniques for Photographing Model Portfolios** . Amherst Media, Inc, New York.
4. *John Hedgecoe*. 2005. **The Book of Photography**. DK Publishing Inc, United States

15UTFMP501	CORE PRACTICAL VII : TEXTILE TESTING	SEMESTER -V
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OBJECTIVE:

To analyze the different parameters of the Fiber, Yarn and Fabric

LIST OF PRACTICAL

- I) Fiber Testing
 - Fiber Length
 - Fiber Fineness
 - Fiber Strength
 - Fiber Trash Analysis

- II) Yarn Testing
 - Testing of Yarn count
 - Lea Strength of Yarn
 - Single Yarn Strength
 - Yarn Twist Testing

- III) Fabric Testing
 - Tearing Strength of fabric
 - Fabric Stiffness
 - Cloth Crease Recovery
 - Drape of Fabric
 - Abrasion Resistance
 - Bursting Strength of fabric

15UTFMP502	CORE PRACTICAL VIII : WOMEN'S APPAREL	SEMESTER- V
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OBJECTIVE:

To Learn to Design, Draft and Construct the various garments for Women.

Procedure:

Designing, Drafting and constructing the following garments for the features prescribed. List the Measurements required and Materials suitable Calculate the cost of the garment. Calculate the material required -Layout method and Direct measurements method.

- 1) Saree Petticoat - Six panel decorated bottom
- 2) Blouse - Front Open, Fashioned neck, Waist band at front, with sleeve
- 3) Skirt - Circular / Gathered / Pleated with waist band
- 4) Skirt Top- Kimono / Raglan Sleeve
- 5) Salwar (or) Churidhar (or) Parallels (or) Bell Bottom
- 6) Kameez - With /without slit, flare, opening, panels, yoke
- 7) Nighty - Sleeve / Neck / Yoke with style variations.

REFERENCE BOOKS:

1. Mary Mathews, 2001. **Practical Clothing Construction Part-II**. Designing, Drafting and Tailoring. Bhattarams Reprographics (P) Ltd., Chennai.
2. Zarapkar K.R, 2005. **System of Cutting**. Navneet Publications India.

15UTFSBCP501	SBC :III SURFACE ORNAMENTATION AND ACCESSORIES MAKING	SEMESTER-V
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OBJECTIVE:

To teach the students the art of Accessories making and surface ornamentation.

CONSTRUCT AND DESIGN

I. Prepare Samples for the following

1. Hand Embroidery – 05 samples with minimum 10 stitches
2. Machine Embroidery - 3 samples with minimum 5 stitches
3. Appliqué (Machine / Hand) -any 1 type
4. Smocking - 3types
5. Lace - 1 type
6. Bead Work -1 sample
7. Sequin work -1 sample
8. Zardosi work -1 sample
9. Mirror work -1 sample
10. Stone Work-1 sample.

II. Design and Prepare the following by using the various raw materials

1. Bangle
2. Ear Ring
3. Anklets
4. Neck Chain
5. Bracelets
6. Foot Wear
7. Watch
8. Hand bag / Pouch

REFERENCE BOOKS:

1. *Shailaja. Naik.* 1996. **Traditional Embroideries of India.** A.P.H Publishing Corporation, New Delhi.
2. *Sheila Paine.* 1990. **Embroidered Textiles.** Thames and Hudson Ltd.
3. *Gail Lawther.* 1993. **Inspirational Ideas for Embroidery on Clothes and Accessories.** Search Press Ltd.

15UTFM601	CORE XIII : TEXTILE FINISHES	SEMESTER -VI
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Total Hours: 50

OBJECTIVE:

To Impart Knowledge about the various types of Textile Finishing.

CONTENTS

UNIT - I (10 Hours)

Finishing - Introduction - Objects of finishing, Importance of finishing, Classification of finishes, Advantages of finishing.

UNIT - II (10 Hours)

Mechanical Finishes - Beetling, Shearing, Calendaring, Tenting, Moirering, Embossing, Glazing, Napping, Sanforizing, Chemical Weighting Of Silk, Sizing, Schreinerling.

UNIT - III (10 Hours)

Functional Finish - Resin finish, Water Proof finish, Water Repellent finish, Antimicrobial finish, Flame Retardant finish, Soil Release finish - Process and Recipe. Wrinkle free finish.

UNIT - IV (10 Hours)

Advanced Functional Finish - Stiff finish - Process and Recipe, Softening - Silicone finish, Anti - Pilling finish, Anti Mildew finish.

UNIT - V (10Hours)

Special Finishes On Garments - Finishing of Woven / Knitted garments - Stone less, Stone Wash effects - Mud wash, Ion wash, Chalk wash, Water resistant Breathable finish, Bio polishing, Leathery Finish, Nano Finish ,Deodorizing, Cool Finish and Thermostat finishes.

TEXT BOOK:

Shenai and Saraf. 1995. **Technology of Textile Finishing**. Sevak publications.

REFERENCE BOOKS:

1. *Prayag*. 1996. **Technology of finishing**. Shree J. Printers, Pune.
2. *Nallangilli and Jayaprakasam*. 2005. **Textile Finishing**. S.S.M Institute of Textile Technology.

5UTFM602	CORE XIV : TRADITIONAL INDIAN COSTUME AND TEXTILES	SEMESTER -V
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Total Hours: 50

OBJECTIVES:

1. To Understand the Origin of Indian Traditional costumes and Textile designs
2. To Impart knowledge of Traditional designs and motifs of textiles
3. To introduce application of these motifs on different textiles.

CONTENTS

UNIT - I

(10 Hours)

Origin of Costume – Introduction – Classification of costume - Early costume – Sources and types of early costume - Factors Influencing Costume Development. Prepare an Album for Early Costume.

UNIT - II

(10 Hours)

Traditional costume of East India – West Bengal, Orissa, Bihar, Assam, Arunachal Pradesh, Nagaland, Manipur, Meghalaya. Traditional costume of West India - Maharashtra, Gujarat, Goa and Madhya Pradesh.

UNIT - III

(10 Hours)

Traditional Costume of North India - Jammu-Kashmir, Uttar Pradesh, Rajasthan, Punjab and Haryana, Uttaranchal and Himachal Pradesh. Traditional costume of South India - Tamil Nadu, Andhra Pradesh, Kerala and Karnataka.

UNIT - IV

(10 Hours)

Traditional Indian textile - Colored textile – Bandhani, Patola, Ikat, Pochampalli, Woven Textile – Brocade, Jamavar, Jamdani, Chanderi, Maheshwari, Kanjivaram, Kota and Baluchari saris. Printed textile – Sanganeri, Kalamkari. Painted textile – Kalamkari.

UNIT - V

(10 Hours)

Traditional and Commercial Embroideries of different region of India – Introduction, History, Symbolic Motifs, Stitches , Thread and Colour - Chamba Rumal of Himachal Pradesh , Phulkari of Punjab , Kutch and Kathiawar of Gujarat, Kasuti of Karnataka , Chickenwork of Lucknow, Kantha of Bengal, ,Kashida of Kashmir.

TEXT BOOKS:

1. Vishu Arora. 2008. **Suvasas: The Beautiful Costumes**. Abishek Publications, Chandigarh.
2. Shailaja, D. Naik. , Jacquie A.Wilson. 2006. **Surface Designing of Textile fabrics**. New age International (P) Ltd Publishers. New Delhi. (Unit V)

REFERENCE BOOKS:

- 1 *Russel Gillow*, Nicholas Barnard. 1991. **Traditional Indian Textiles**. Thames and Hudson Ltd., London.

B.Sc., Textile and Fashion Designing (Students admitted from 2015-2016 onwards)

2 *Dhanija Jain* .1989. **Hand woven Fabrics of India.** Mapin publishing, Ahmedabad.

3. *Churye.* 1995. **Indian Costume.** Ramdas Bhatkal for Popular Prakashan Pvt. Ltd., Bombay.

15UTFEL601	ELECTIVE II: FOREIGN TRADE PROCEDURES AND DOCUMENTATION	SEMESTER - VI
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Total Hours: 50

OBJECTIVES:

1. To understand about the Foreign exchange formalities.
2. To Acquire knowledge about pre shipment and shipment document preparation

CONTENTS

UNIT- I

(10 Hours)

Export Trade Control: Different categories of Exporters – Export licensing procedures and formalities.

Export documentation – Customs clearance procedures of exports - Project exports and consultancy exports.

UNIT- II

(10 Hours)

Introduction – Apparel Export promotion Council and it's role – Registration formalities – Registration cum membership certificate – Import Export code – RBI code. Benefits and Incentives offered by Government of India to garment export. Role of SEZ and apparel parks in export.

UNIT -III

(10 Hours)

Need, rationale and types of documents relating to goods – Invoice – Packing note and list – Certificate of origin – Certificates related to shipment – Mate receipt – Shipping bill – Certificate of measurement – Bill of lading – Air way bill – Documents related to payment – Letter of credit – Bill of Exchange – Letter of hypothecation – Bank certificate for payment – Document related to inspection-Certificate of inspection –GSP and other forms. Importance of insurance of goods in foreign trade –ECGC and its role.

UNIT - IV

(10 Hours)

Import license – Procedure for import license – Import trade control regulation procedure – Special schemes – Replenishment license – Advance license – Split up license – Spares for after sales service license – Code number – Bill of entry.

UNIT- V

(10 Hours)

Pre shipment inspection and quality control – Foreign exchange formalities – Pre shipment Documents. Shipment of goods and port procedures – Customs clearance.

TEXT BOOK:

1. *Balagopal, T. A. S.* 2005. **Export Marketing** .Himalayan Publishing House.

REFERENCES BOOKS:

1. *Khurana P. K.* 2003. **Export Management**. Galgotia Publishsing Company
2. *Hearle J .W. S Hines T and Suh M.* 1997. **Global Marketing of Textiles**. Journal of the Textile Institute (Special Issue) .
3. *Dr. Pradeep Jashi.* 2006 .**Apparel and Textile Exports strategies of WTO Era**. CBS Publishers and distributors, New Delhi.
4. *Paras Ram,* 2001. **Hand Book of Import and export Procedures**

15UTFEL602	ELECTIVE II: FASHION FORECASTING AND PRODUCT DEVELOPMENT	SEMESTER- VI
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Total Hours: 50

OBJECTIVES:

1. To acquire knowledge and understand application of forecasting techniques.
2. To gain knowledge about Fashion product development

CONTENTS

UNIT - I (10 Hours)

Introduction - Fashion forecasting - market research, Consumer research, Sales records, evaluating the collection. Predicting the fashion trends - Sources of fashion forecasting information, fashion trends, trends for target markets.

UNIT - II (10 Hours)

Fashion services and resources - fashion services, collection reports, trend reports. Sources of Inspiration - Fashion from streets, Niche markets, consulting color services, Printed sources of inspiration - Foreign trade and fashion publications, design reports , colour standard .

UNIT - III (10 Hours)

Design sources -Historic and ethnic costume, historic inspiration ,folk influences, museums and fine arts , Travel and nature , the street scene , fabrics , collecting trims, collecting garments , lifestyle, video services and Television , web sites Awareness .

UNIT - IV (10 Hours)

Product Development -Target market, Merchandising, Textile, fiber and fabric product development. Design development, Sample development, developing a sample garment.

UNIT - V (10 Hours)

Line Selection - Line development -Fabric sourcing and Garment Sourcing -Production scheduling, contracting, garment assembling and preparations for shipping.

TEXT BOOKS:

1. Gini Stephens Fringes. 2002. **Fashion from Concept to Consumer** (Seventh Edition). Pearson education, INC (Unit I , II and III)
2. Sharon Lee Tate. 2004 .**Inside fashion design** (Fifth Edition) Pearson education, INC (Unit IV and V)

REFERENCE BOOKS:

1. Ellen Diamond .2007. **Fashion Retailing**. Pearson Education. INC and Dorling Kinderley Publishing, New Delhi.
2. Brannon Evelyn. L. 2010 .**Fashion Forecasting**. Fairchild Books, New York 3rd.

15UTFEL603	ELECTIVE II: FASHION PROMOTION AND VISUAL MERCHANDISING	SEMESTER -VI
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Total Hours: 50

OBJECTIVES:

1. To acquire knowledge and understand the promotion of fashion.
2. To gain knowledge about the store layout and design

CONTENTS

UNIT - I (10 Hours)

Advertising and promotion, kinds of advertising - promotional advertising, institutional advertising, combination advertising, co-operative advertising. Trends in advertising and promotion. Media - Print media -News paper, Magazines and direct mail. Broad cast media - Radio, Television and Websites. Outdoor Media- Bill Boards, Publicity campaigns.

UNIT -II (10 Hours)

Promotional Programs - Fashion shows and its types. Runway parades, Informal Modeling, Special Campaigns and celebrations, institutional events, designer and celebrity appearances , in-house video ,demonstrations and sampling.

UNIT -III (10 Hours)

Visual merchandising - Definition and functions, significance of display, role of a visual merchandiser, display ethics, display basics, design basics. Responsibilities for the visual merchandising function.

UNIT - IV (10 Hours)

Store layout and design, types of stores- store exteriors - signs, facade, banners, planters and awings. Store interiors - selling area and sales support area.

UNIT -V (10 Hours)

Window display- meaning and scope .Types of setting .Atmospheric for store design - color, lighting, fixtures, signage and graphics, sound and aroma, mannequins and its types.

TEXT BOOKS:

1. Swati Bhalla and Anuraag.S, 2010. **Visual Merchandising** .Tata McGraw Hill education Private Limited, New Delhi. (Unit III , IV and V)
2. Gini Stephens Fringes. 2002. **Fashion from Concept to Consumer** (Seventh Edition). Pearson education, INC (Unit I and II)

REFERENCE BOOKS:

1. Ellen Diamond .2007. **Fashion Retailing**. Pearson Education. INC and Dorling Kinderley Publishing, New Delhi.
2. Robert colborne, 1996. **Visual Merchandising: The Business of merchandise Presentation**. Delmer learning.
3. Laura. L Bliss, 1955. **Study Guide Visual Merchandising and Display**. Fairchild's Publication, New York.

15UTFMP601	CORE PRACTICAL IX: COMPUTER AIDED TEXTILE AND APPAREL DESIGNING	SEMESTER -VI
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Note: Transfer a Design from Sample to Computer and vice versa with various color schemes.

OBJECTIVE:

1. To impart skills in Computer Aided Design and Computer Aided Manufacture of Apparels.

I) Design Creation

- Men's Wear
- Women's Wear
- Children's Wear

II) Pattern making, Grading, Marker planning for

- Men's Wear
- Women's Wear
- Childrens Wear

III) Create a design suitable for Dobby

IV) Create a design suitable for jacquard

V) Create a design suitable for Screen Printing

REFERENCE BOOKS:

1. *Stephen Gray*. 1998. **CAD/CAM in clothing and textiles**. Gower publishing limited.
2. *Aldrich*. 1992. **CAD in clothing and Textiles**. [Second edition].Blackwell Science.

15UTFMP602	CORE PRACTICAL X : MEN'S APPAREL	SEMESTER :VI
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OBJECTIVE:

To Teach to Design, Draft and Construct the various garments for Men.

Procedure:

Designing, Drafting and constructing the following garments for given features prescribed. List the Measurements required and materials Suitable. Calculate the cost of the garment and material required – Layout method and Direct measurement method.

1. S.B.Vest - With/ Without collar, Button attached, Sleeveless
2. Full Sleeve Shirt - Full Open, Shirt Collar, Patch Pocket, Cuff
3. Kurtha - Half open, Stand collar, With/ Without Pocket, Full Sleeve
4. Pant - Full length, Pleated, Fly, with belt
5. Night Dress - Full open, Shawl Collar, Full Sleeve
6. T- Shirt - Polo T-Shirt
7. Bermudas (or) Casual Shorts .

15UTFSBCP601	SBC: IV PORTFOLIO PRESENTATION	SEMESTER :VI
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OBJECTIVES:

1. The Student documents all their presentable work that portrays the student's areas of interest. The portfolio can be an effective means of communicating the capacities and capabilities of the students to anyone who seeks their talents.
2. To Understand Fashion Forecasting in terms of Design details, Fabric, Accessories and to Learn Preparation of Mood board, Color board and Fabric swatches.

Portfolio development and Presentation technique

1. To be planned for a Season or Occasion - Forecasting colors, Pattern and Fabric for the ensuing seasons based on International forecast.
2. Preparation of Mood board, Story board.
3. Fabric development chart - Collections of fabric Swatches and Colors.
4. Design development chart - Preparation of various Styles for Selected fabrics
5. Selection of Accessories
6. Number of Garments in a Collection - 2 garments
7. Final Presentation - 1 Garment.

15UTFN301	NMEC I : FASHION ART AND DESIGN CONCEPT	SEMESTER - III
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Total Hours: 22

OBJECTIVES:

1. To understand the basic Techniques in Dress Designing.
2. To Impart Knowledge about Design and Color.

CONTENTS

UNIT - I (4 Hours)

Types of Design - Structural and Decorative design
Elements of Design - Line, Size, Shape, Color and Texture.

UNIT - II (5 Hours)

Principles of Design - Balance, Emphasis, Proportion, Rhythm, Harmony and its types.

UNIT - III (4 Hours)

Color- Definition, Color theory - Prang color system, Dimension of color- Hue, Value and Intensity. Color schemes in Prang color System.

UNIT - IV (5 Hours)

Figure Irregularities - Stout figure, Thin figure, Broad shoulders, Narrow Shoulders, Faces - Round, Large, and Small face.

UNIT - V (4 Hours)

Wardrobe Planning - Factors to be considered while selecting clothes for different age group - Men, Women and Children.

TEXT BOOK:

1. *Sumathi, G.J .2002. Elements of Fashion and Apparel Design.* New age International (P) Ltd Publishers.

REFERENCE BOOK:

1. *Harriet Mc jimsey. 1973. Art and Fashion in Clothing Selection.* [Second Edition]. Iowa State University Press, Ames.

15UTFN401	NMEC II : FUNDAMENTALS OF TEXTILES AND APPAREL	SEMESTER - IV
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Total Hours: 22

OBJECTIVES:

1. Gain knowledge about Textile fibers and their Properties.
2. To Develop and Understand about various kinds of Fabrics, their Structure and the Utility.
3. To Impart Knowledge about Textile Dyeing and Printing.

CONTENTS

UNIT - I (4 Hours)

Introduction about Textile - Terminology of textile - Classifications of Textile Fibers - Definition - Fibers, Yarn, Fabric, Knitting, Weaving - Important Properties of textile fibres - Luster, Absorbency for Cotton, Silk, Wool, Polyester Fibers.

UNIT - II (4 Hours)

Yarn - Definition - Step by step process of Yarn making. Method of Fabric Construction - Weaving, Knitting, Nonwoven, Braiding, Netting, Knotting, Felting.

UNIT- III (5 Hours)

Dyeing-Definition - Method of Dyeing- Fiber, Yarn, Slub, Dope (or) Solution, Warp Beam, Dyeing - Common faults in dyeing.

Printing -Definition - Methods of printing - Direct, Resist, Discharge, and Pigment. Printing by Hand -Block, Screen, Stencil, Batik .Printing by Machine - Roller, Screen.

UNIT- IV (5 Hours)

Garment Definition - Step by step process of garment making - Body measurement, Pattern Making, Marker Planning, Cutting, Stitching - Stain Removal - Any five methods of stain removal process.

UNIT - V (4 Hours)

Care labels - Importance of care labels - Washing instructions - Bleaching instructions - Drying instructions - Ironing instructions - Dry cleaning instructions.

TEXT BOOK:

1. *Premlata mullick*. 2006. **Text book of Textile Designing**. Kalyani Publication.

REFERENCE BOOKS:

1. *Sara Kadolph, J.* 2009. **Textiles**. [Tenth Edition]. Dorling Kindersley India Pvt. Ltd., Delhi.
2. *Vidya sagar, P.V.* 1995. **Hand book of Textile**. A Mittal Publication.

15UTFD401	DIPLOMA COURSE: ARTS AND CRAFTS	SEMESTER- III & IV
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Total Hours: 90

1. Applique work – Both Hand and Iron Applique
2. Glass Painting
3. Nib Painting
4. Embossed Painting
5. Pot Painting
6. Tile Painting
7. Painting technique –Double shade, Triple shade, Dry stroke, Free hand stroke
8. Wall hanging- 4Types
9. File making – 4 Styles
10. Artificial Flower Making and Bouquet Making – Organdy cloth, velvet, stocking
11. Mobile Pouch
12. Smocking – 5 types

	CERTIFICATE COURSE : COMMUNICATIVE HINDI	SEMESTER- V& VI
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Total Hours: 40

OBJECTIVES:

1. Introducing a new language to the students.
2. Students are able to read and understand the simple phrases after the completion of the course.

CONTENTS

1. Introduction about the language	-	1 Hour
2. Vowels and Consonants	-	3 Hours
3. Symbols and Rules	-	3 Hours
4. Reading Practice	-	3 Hours
5. Pronoun	-	2 Hours
6. Verbs	-	3 Hours
7. Sentence Pattern	-	3 Hours
8. Question Words	-	2 Hours
9. Adjective	-	2 Hours
10. Adverb	-	2 Hours
11. Preposition and Postposition	-	3 Hours
12. Gender	-	2 Hours
13. Self Introduction	-	2 Hours
14. Describing the object or a person	-	3 Hours
15. Answering to the simple Questions	-	3 Hours
16. Spoken Practice in general	-	3 Hours
TOTAL	-	40 Hours

REFERENCE BOOK.

1. Hindi Rachana Part -1, Dakshin Bharat Hindi Prachar Sabha, Chennai.

GUIDELINES

1. SUBMISSION OF RECORD NOTE BOOKS AND PROJECT DISSERTATION:

Candidates appearing for Practical Examinations and Project Viva-voce shall submit Bonafide Record Note Books/ Dissertation prescribed for Practical/ Project Viva-voce Examinations, otherwise the candidates will not be permitted to appear for the Practical/ Project Viva-voce Examinations.

2. PASSING MINIMUM AND INTERNAL MARK DISTRIBUTION (Theory, Practical and Project)

A) THEORY

The candidate shall be declared to have passed the Examination, if the candidate secure not less than 40 marks put together out of 100 in the Comprehensive Examination in each Theory paper with a passing minimum of 30 marks in External out of 75.

Internal Marks Distribution [CA- Total Marks: 25]

Attendance	: 05 Marks
Assignment	: 05 Marks
Internal Examinations	: 15 Marks
Total	: 25 Marks

i) THEORY (If Internal Evaluation is for 100 Marks)

The candidate shall be declared to have passed the Examination, if the candidate secure not less than 40 marks out of 100 in the Comprehensive examination (Internal Evaluation only).

Internal Marks Distribution [CA- Total Marks: 100]

Attendance	: 10 Marks
Assignment	: 30 Marks (3 Assignments Compulsory)
Internal Examinations	: 60 Marks
Total	: 100 Marks

B) PRACTICAL

The candidate shall be declared to have passed the Examination, if the candidate secure not less than 40 marks put together out of 100 in the Comprehensive Examination in each Practical paper with a passing minimum of 24 marks in External out of 60.

i) Internal Marks Distribution [CA- Total Marks: 40]

Experiments	: 10 Marks
Attendance	: 05 Marks
Record	: 05 Marks
Internal Examinations	: 20 Marks
Total	: 40 Marks

ii) External Marks Distribution [CE- Total Marks: 60]

Aim	: 05 Marks
Procedure	: 20 Marks
Performance	: 30 Marks
Result	: 05 Marks
Total	: 60 Marks

iii) Allied - Computer Practical Marks Distribution

Internal Marks Distribution [CA- Total Marks: 40]

Experiment	: 10 Marks (10-12 Experiments)
Attendance	: 05 Marks
Record	: 05 Marks
Internal Examination	: 20 Marks
Total	: 40 Marks

External Marks Distribution [CE- Total Marks: 60]

i) Aim	: 05 Marks
ii) Algorithm/ Flowchart	: 10 Marks
iii) Writing the source code	: 15 Marks
iv) Test and debug the source code	: 15 Marks
v) Displaying the output	: 10 Marks
vi) Result and declaration	: 05 Marks

Total : 60 Marks

C) PROJECT WORK /DISSERTATION

- The project work shall be carried out by group of students in the V semester and has to complete the work at the end of VI Semester.
- Upon completion of the project work/ dissertation the candidate will be required to appear for a viva-voce conducted by an external examiner.
- The Student has to attend 3 reviews before completing his/her Project.
- All 3 reviews will be reviewed by Internal Resource Person.
- A candidate failing to secure the prescribed passing minimum in the dissertation shall be required to re-submit the dissertation with the necessary modifications.
- The assessment of students' performance in a semester is calculated by Continuous Internal Assessment (CA.) for 40 marks and External Assessment for 60 marks.

The candidate shall be declared to have passed the Examination, if the candidate secure not less than 40 marks put together out of 100 in the Comprehensive Examination in each Project with a passing minimum of 24 marks in External out of 60.

Internal Mark Distribution [CA - Total Marks: 40 Marks]

Research work done	:	10 Marks
Attendance	:	05 Marks
Samples	:	05 Marks
Review	:	20 Marks (Three reviews)

Total : 40 Marks

External Mark Distribution [CE - Total Marks 60Marks]

Research Work Done	:	15 Marks
Project report	:	20 Marks
Presentation	:	15 Marks
Viva voce	:	10 Marks

Total Marks : 60 Marks

D) CERTIFICATE COURSE

Examination will be held at the end of VI semester.

Mark Distribution [CA - Total Marks 100 Marks]

1. Written examination : 50 Marks
 2. Oral examination : 50 Marks
- Total : 100 Marks**

1. Written Examination:

Alphabet	:	10 Marks
Present to Present continuous	:	05 Marks
Choose the correct answer	:	05 Marks
Endings	:	10 Marks
Gender	:	05 Marks
Questions framing	:	05 Marks
Translation	:	10 Marks

Total Marks : 50 Marks

2. Oral Examination:

Self introduction	:	10 Marks
Describing the object or a person	:	10 Marks
Answering the simple Questions related to day to Day life	}	: 20 Marks
Reading	:	10 Marks

Total Marks : 50 Marks

3. QUESTION PAPER PATTERN AND MARK DISTRIBUTION

I) THEORY - Question paper pattern and Marks Distribution

PART A - (10x 2 = 20Marks)

Answer ALL questions

Two questions from each UNIT

PART B - (5 x 5 = 25 Marks)

Answer ALL questions

One question from each UNIT with Internal Choice

PART C - (3 x 10= 30Marks)

Answer ANY THREE questions

Open Choice 3 out of 5 questions

One question from each UNIT

II) Question Paper Pattern and Mark Distribution - 100% External Evaluation (For 100 marks)

PART - A (10 x 2 = 20 Marks)

Answer ALL questions

Two questions from each UNIT

PART - B (5 x 7 = 35 Marks)

Answer ALL questions

One question from each UNIT with Internal Choice

PART - C (3 x 15 = 45 Marks)

Answer ANY THREE questions

Open Choice - 3 out of 5 questions

One question from each UNIT

III) - CAREER COMPETENCY SKILLS - I & II

METHODOLOGY OF ASSESSMENT

1. On Line Objective Examination (Multiple Choice questions) - Semester III

- 100 questions-100 minutes
- Twenty questions from each UNIT.
- On line examination will be conducted at the end of the III Semester.

2. Viva Voce- Semester IV

- A Student has to come in proper dress code and he/she should bring 2 copies of Resume for the Viva Voce.

B.Sc., Textile and Fashion Designing (Students admitted from 2015-2016 onwards)

- A student may be asked to
 - Give Self Introduction
 - Submit the resume to the examiner(s) and answer the questions based on it.
 - Speak on any given topic for at least two minutes.
 - Give a presentation for 10 minutes on a topic of their choice.
 - Sit with other students in a Group for a Discussion.